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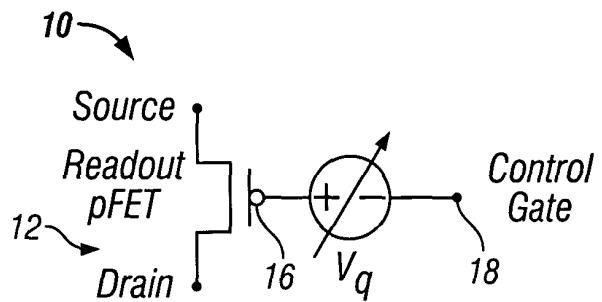


FIG. 1

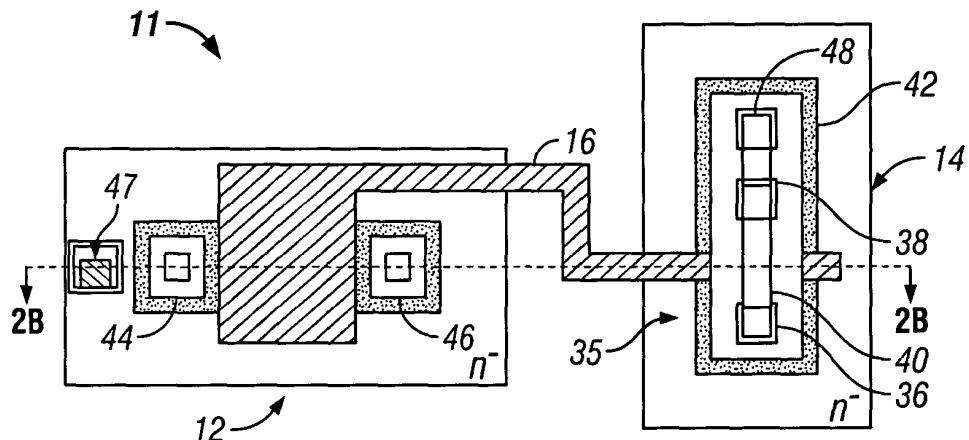


FIG. 2A

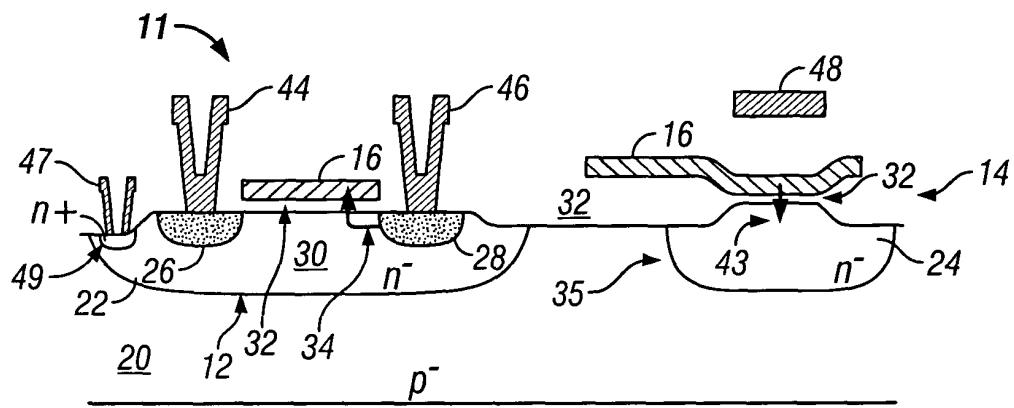


FIG. 2B

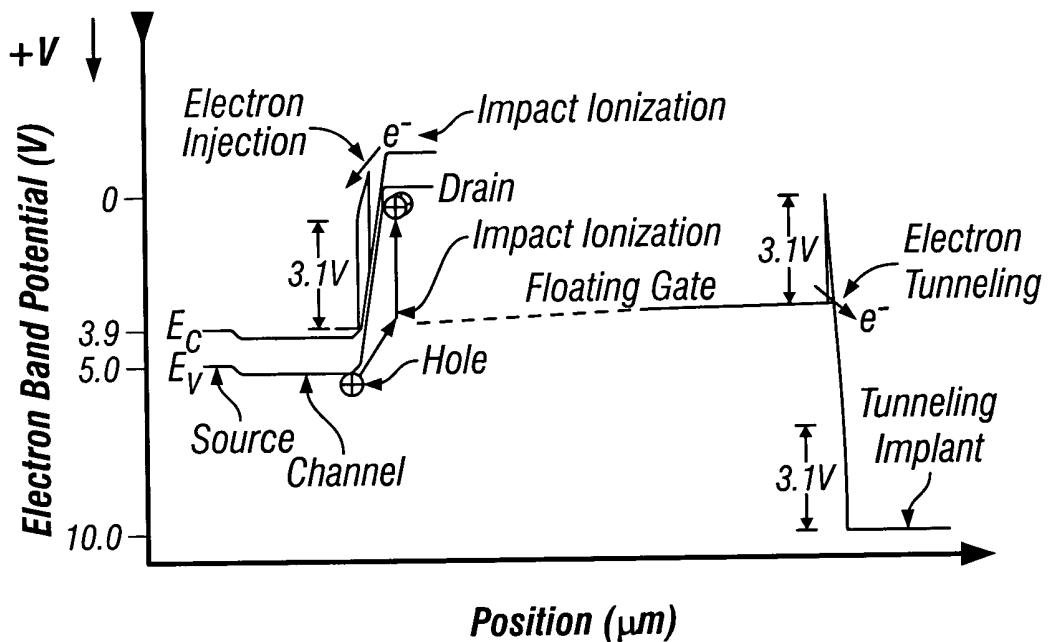


FIG. 2C

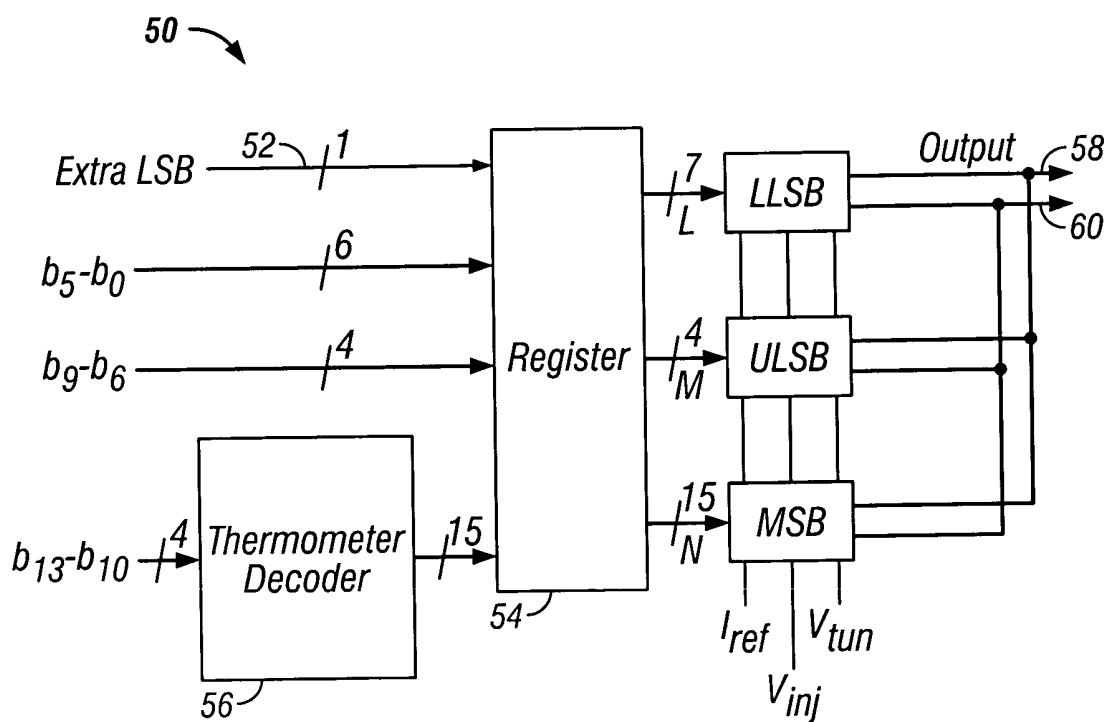


FIG. 3

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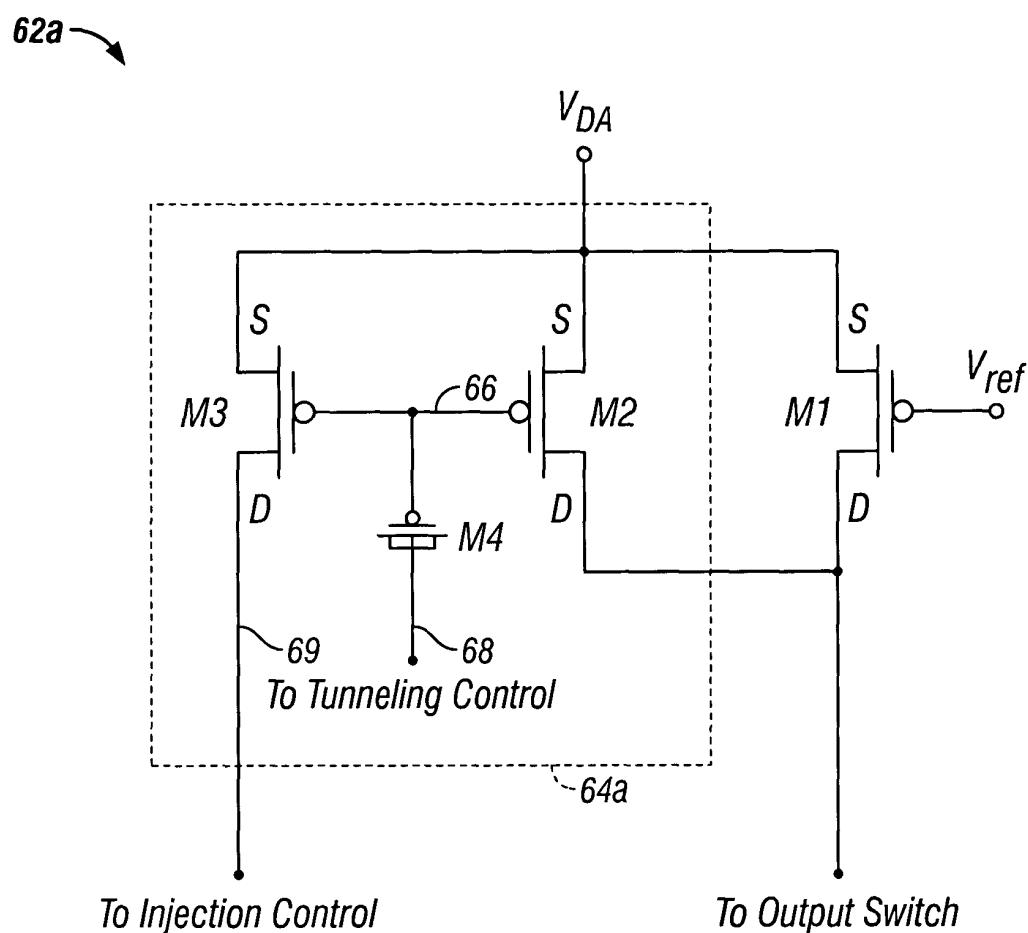


FIG. 4A

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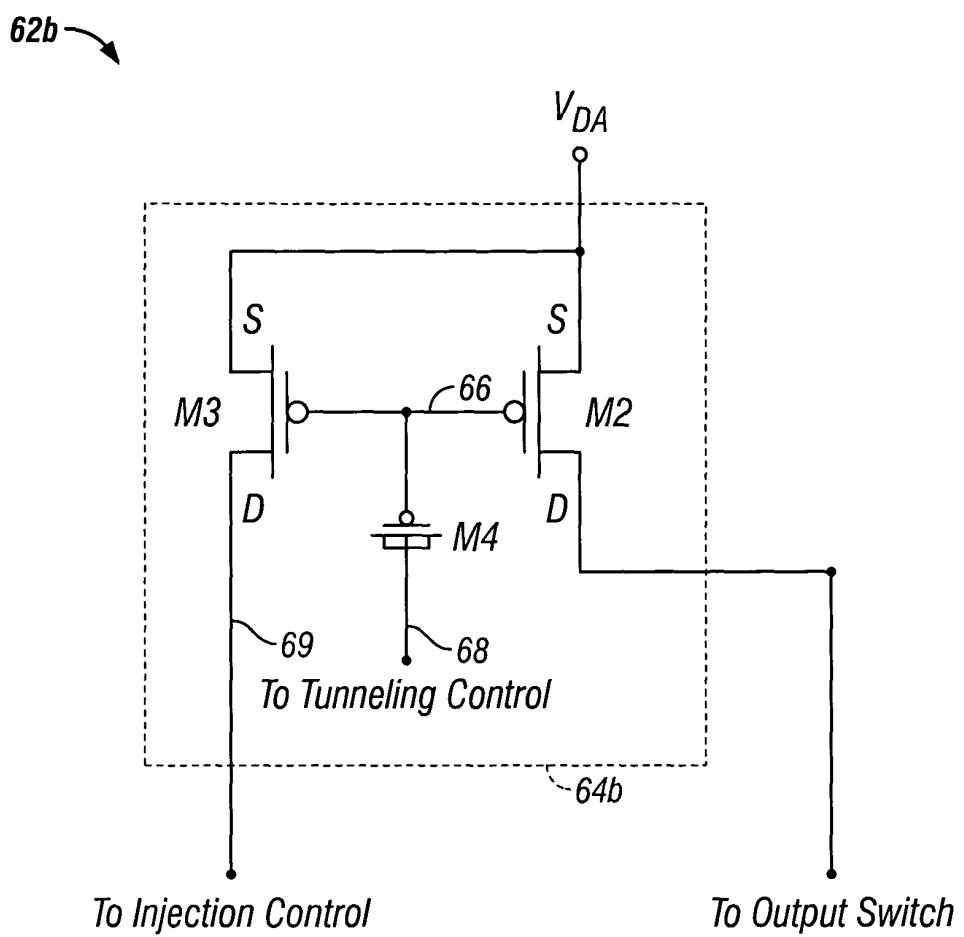


FIG. 4B

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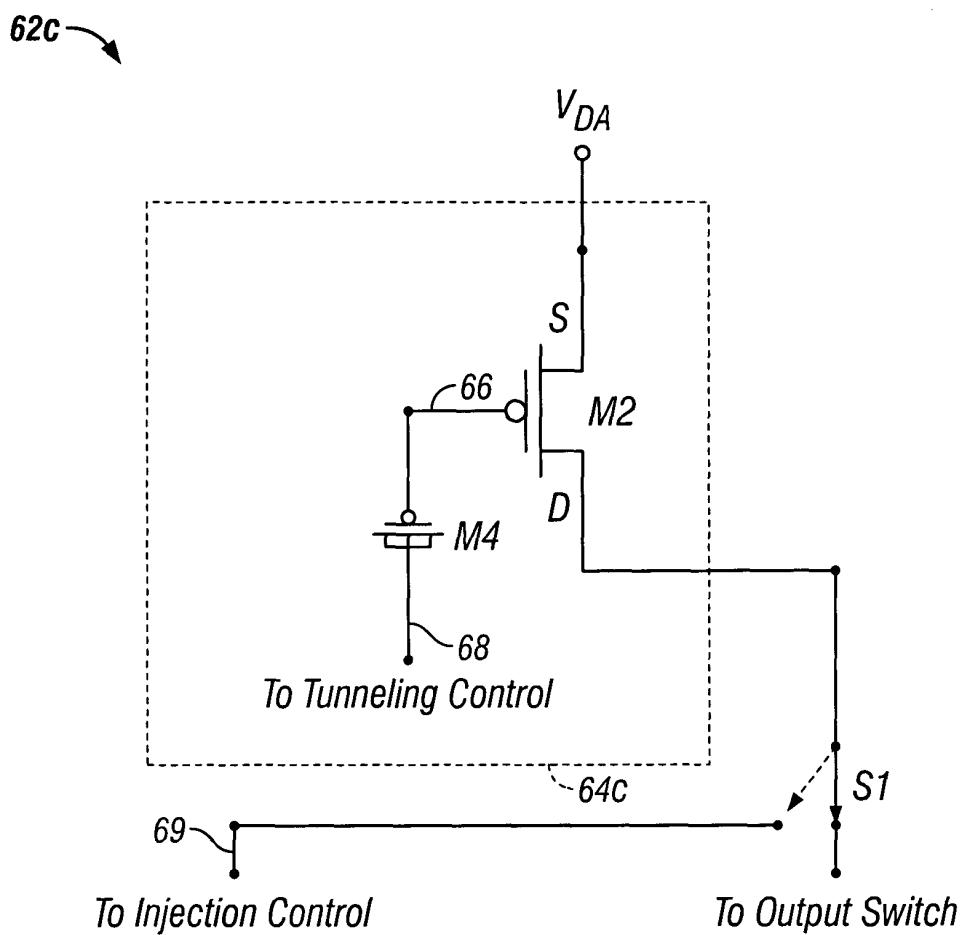


FIG. 4C

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Erase all trim current sources  $\curvearrowleft^{70}$   
For  $i := L$  to  $L + M - 1$   $\curvearrowleft^{72}$   
Begin  
    Apply codeword  $2^{i-1} + \text{LSB}$   
    target := DAC output  
    Apply codeword  $2^i$   
    If output greater than target  
        Inject on global current regulator and start again  
    While output less than target  
        Inject on trim current source  $i$   
End

For  $j := 1$  to  $2^N - 1$   $\curvearrowleft^{74}$   
Begin  
    Apply codeword  $2^{L+M-1} + \text{LSB} + (j-1)*2^{L+M}$   
    target := DAC output  
    Apply codeword  $j*2^{L+M}$   
    If output greater than target  
        Inject on global current regulator and start again  
    While output less than target  
        Inject on trim current source  $L + M + (j-1)$   
End

FIG. 5

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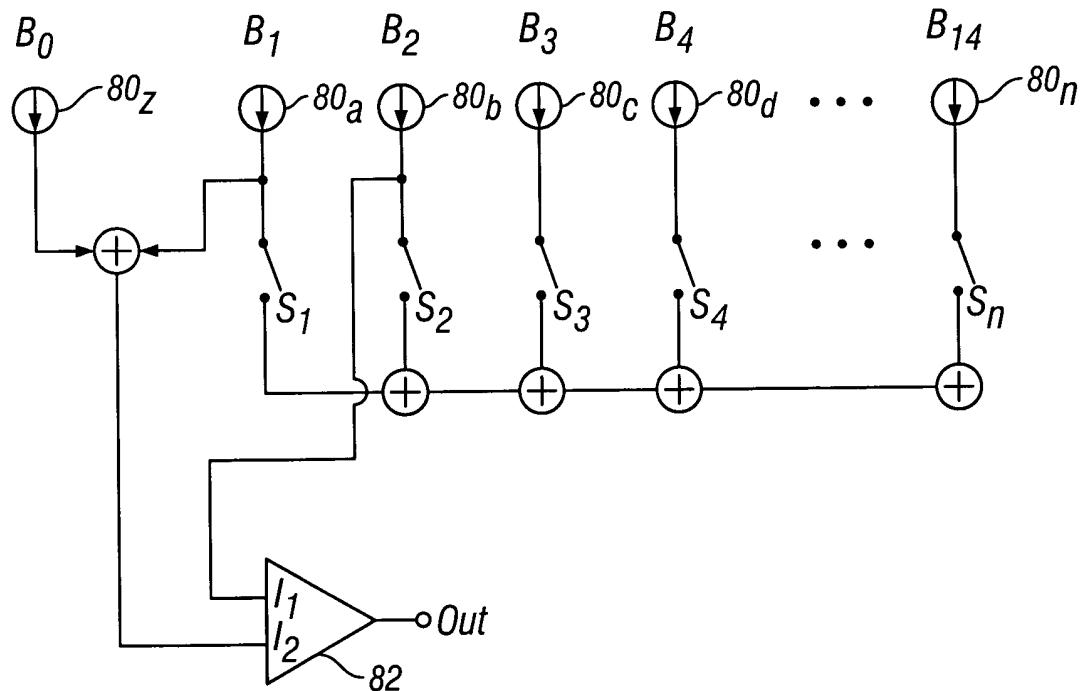


FIG. 6A

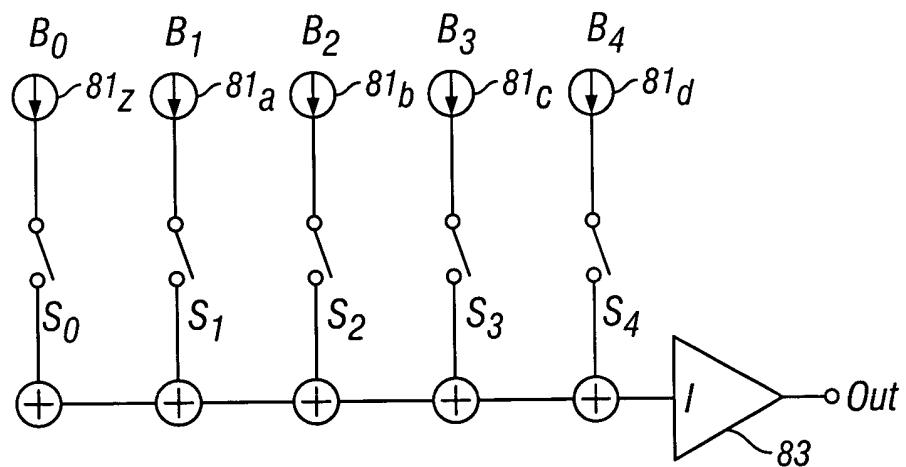


FIG. 6B

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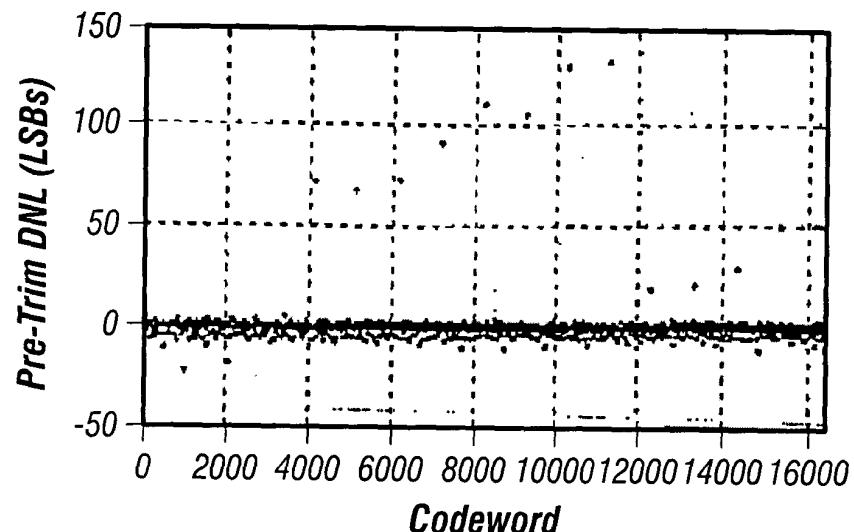


FIG. 7A

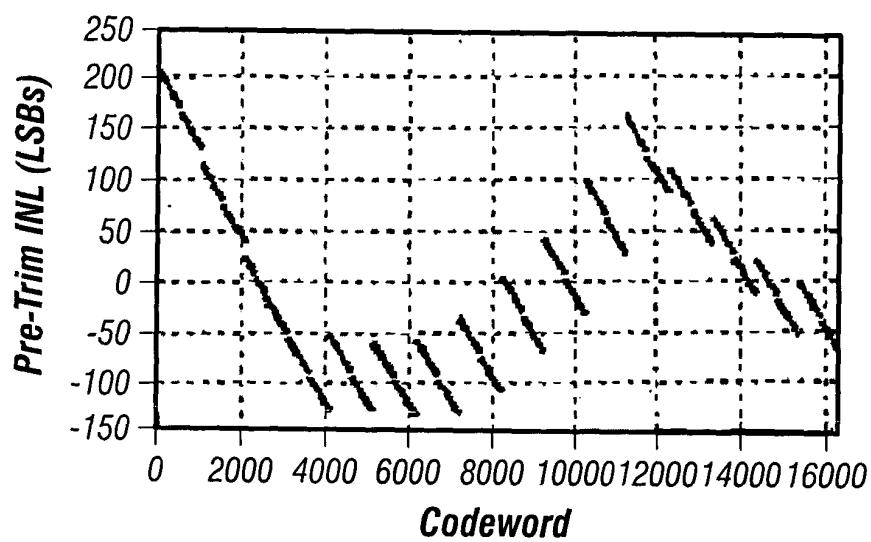
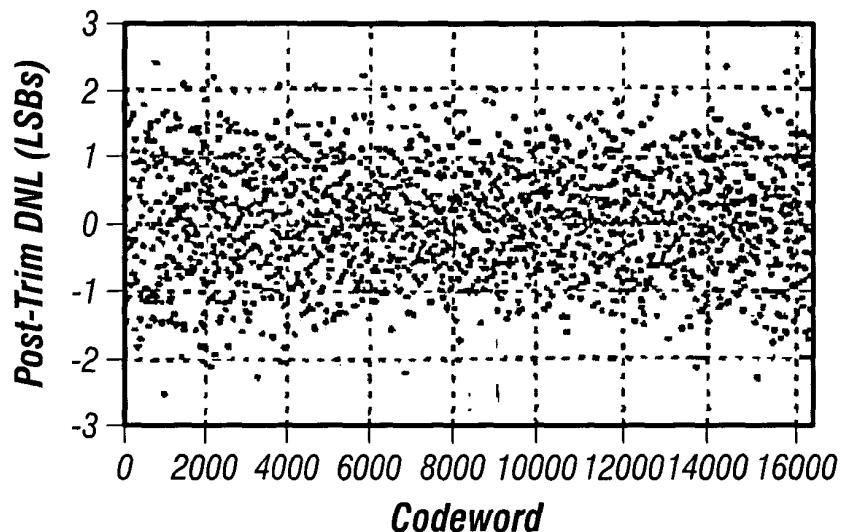
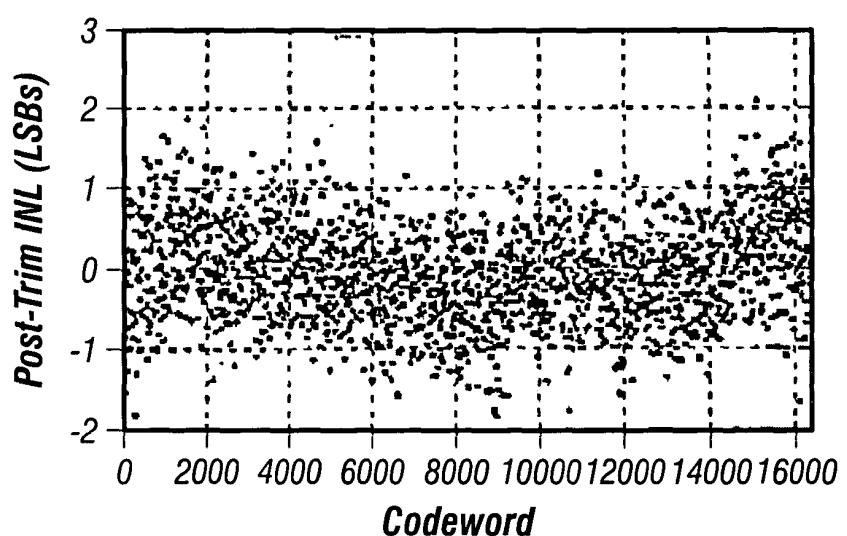


FIG. 7B

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**FIG. 7C**



**FIG. 7D**